

February 7, 2002

Mr. Jim Christiansen
United States Environmental Protection Agency
Region 8
999 18th Street - Suite 300
Denver, CO 80202-2466

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EPA REGION VIII
SUPERFUND BRANCH

RE: Richardson Flat Monthly Status Report for January 2002

Dear Mr. Christiansen:

This monthly Status Report details site activities conducted at Richardson Flat for January 2002. Also included are the laboratory analytical data from the surface water and groundwater samples collected during December 2001.

Sampling Activities Conducted:

Surface and groundwater were sampled on January 7, 2002.

Surface and Groundwater sampling:

On January 7, 2002 the tenth round of monthly surface water sampling was conducted. Surface water samples were collected at locations RF-8, RF-7-2 and RF-6-2. Surface waters were not encountered or surface water flows sufficient to collect samples without disturbing sediments at locations RF-5, RF-4, RF-3-2, RF-2, and RF-1. One duplicate sample was collected at location RF-6-2. Groundwater samples were collected with a peristaltic pump at monitoring wells RT-11, RT-12, RT-13 and RT-14. One duplicate groundwater sample was collected from monitor well RT-11. Samples were submitted to the laboratory on January 7, 2002.

Draft RI Report Preparation

The draft RI report will be submitted to EPA in March 2002. The draft report will be used to assist EPA in human health and ecological risk assessment.

Results:

The results of the January surface water and groundwater sampling are reported in Table 1. Laboratory and chain-of-custody reports are located in Appendix A. Field data sheets can be found in Appendix B. An electronic

copy of the AEC and Frontier Geosciences laboratory analytical reports will be emailed to you and Jeff Montera.

Planned Activities: February 2002

1. Monthly surface and groundwater sampling will be conducted the week of February 4, 2002.
2. RMC will continue to work on the Draft RI report.

Planned Activities: March 2002

1. Monthly surface and groundwater sampling will be conducted the week of March 4, 2002.

If you should have any questions or comments, please contact me at 801-255-2626.

Best regards,



James R. Fricke
RMC

Attachment: Table 1, Analytical Summary - Water

Cc: Jeff Montera
Susan Griffin
Kerry Gee
Kevin Murray
Muhammed Slam
Lynn Woodbury
Jeanne Wilson

Table 1, Richardson Flat Analytical Results Summary,
units mg/l except for Hg at RF-2 and RF-6 - ng/l, all other Hg ug/l.

Utah Water Quality Standards, Stream Classification 1c			AG	AG(D)	AL	AL(D)	ALK	AS	AS(D)	CA	CAT/AN BAL	CD	CD(D)	CL	CO3	CR	COND	CR(D)	CJ	CJ(D)	FE	FE(D)	HARD	HCO3	HG	HG(D)	K	MG	MN	MM(D)	NA	NO3-N	NO3-NO3	P	PH	PH(D)	SE	SE(D)	SO4	TDS	ZN	ZN(D)		
Aquatic Wildlife Standard, Stream Classification 3a ² Chronic Acute			0.05		NA			0.05				0.001						0.05	1						20							4		0.05		0.01								
			NA		0.037			0.19				0.004						0.572	0.033		1				12									0.015		0.005		NA				0.303		
			0.01		0.75			0.38				0.026						4.8	0.055						24									0.375		0.02		NA				0.350		
Lab #	Date	Sample #	Description	AG	AG(D)	AL	AL(D)	ALK	AS	AS(D)	CA	CAT/AN BAL	CD	CD(D)	CL	CO3	CR	COND	CR(D)	CJ	CJ(D)	FE	FE(D)	HARD	HCO3	HG	HG(D)	K	MG	MN	MM(D)	NA	NO3-N	NO3-NO3	P	PH	PH(D)	SE	SE(D)	SO4	TDS	ZN	ZN(D)	
LO20010-001	01/07/02	RF-SW-RS-2	United Park City Mines	<.005	<.005	<.050	<.050	274	<.005	<.005	384	+5.4	<.001	<.001	75	<1	2200	<.010	<.010	<.005	.29	<.10	1906	274	2.96 ³	3.9	85	9.5	9.7	9.7	90	.96	.20	<1	<.005	<.005	<.004	<.004	908	1837	3.0	.10	.075	
LO20010-002	01/07/02	RF-SW-RF7-2	United Park City Mines	<.005	<.005	.063	<.050	192	<.005	<.005	134	+4.2	.002	.002	75	<1	1053	<.010	<.010	<.005	.19	<.10	488	162	<2	<2	2.2	37	.20	.21	36	<.10	.45	<1	.007	<.005	<.004	<.004	272	714	1.4	.89	.86	
LO20010-003	01/07/02	RF-SW-RF8	United Park City Mines	<.005	<.005	<.050	<.050	184	<.005	<.005	128	+3.5	.002	.001	65	<1	1046	<.010	<.010	<.005	.15	<.10	482	184	15.8 ³	1.84 ³	2.1	35	.12	.12	37	<.10	.38	<1	.005	<.004	<.004	<.004	272	898	<.1	.90	.88	
LO20010-004	01/07/02	RF-SW-RS-502	United Park City Mines	<.005	<.005	<.050	<.050	282	<.005	<.005	384	+8.7	<.001	<.001	77	<1	2140	<.010	<.010	<.005	.18	<.10	646	282	<2	<2	3.8	79	9.7	9.3	48	.97	.20	<1	.005	<.005	<.004	<.004	801	1917	2.9	.098	.067	
LO20010-005	01/07/02	RF-GW-RT11	United Park City Mines	<.005	<.005	<.050	<.050	230	<.005	.005	263	-1.8	.10	.11	473	<1	2220	<.010	<.010	.044	.044	<.10	828	230	<2	<2	2.3	66	.080	.080	118	.11	<.10	<1	.40	.39	.019	.005	<.004	358	1471	<.1	9.0	9.2
LO20010-006	01/07/02	RF-SW-RT12	United Park City Mines	<.005	<.005	.18	<.050	216	.009	.008	264	+4.0	.037	.038	149	<1	1724	<.010	<.010	.013	.009	8.5	832	216	7.3	5.4	2.4	48	8.2	8.2	65	.11	<.10	<1	.655	<.005	<.004	<.004	480	1339	28	16	.16	
LO20010-007	01/07/02	RF-GW-RT13	United Park City Mines	<.005	<.005	<.050	<.050	394	<.005	<.005	313	+8.6	<.001	<.001	51	<1	1717	<.010	<.010	<.005	.11	<.10	1078	384	<2	<2	<.0	72	2.5	2.8	28	.12	1.3	<1	<.005	<.005	.022	.024	536	1449	<.1	.012	<.010	
LO20010-008	01/07/02	RF-GW-RT14	United Park City Mines	<.005	<.005	<.050	<.050	280	<.005	<.005	260	+4.8	<.001	<.001	52	<1	1585	<.010	<.010	<.005	1.7	1.2	872	244	<2	<2	<.0	80	10	9.1	31	.10	<.10	<1	<.005	<.005	<.004	533	1282	3.7	<.010	<.010		
LO20010-009	01/07/02	RF-SW-RT5011	United Park City Mines	<.005	<.005	<.050	<.050	242	<.005	<.005	267	-2.2	.10	.11	438	<1	2220	<.010	<.010	.044	.047	<.10	925	242	<2	<2	2.5	86	.087	.080	113	.11	.12	<1	.41	.40	.019	.005	<.004	349	1510	<.1	8.7	8.9

Notes: a - Results from Frontier Geosciences for Hg method 1631 equivalent, see lab report Appendix A for RF-6-2 total/dissolved difference. All other Hg analyses by method 245.1 with units of ppb.

TARGET SHEET
EPA REGION VIII
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 2008715

SITE NAME: RICHARDSON FLAT TAILINGS

DOCUMENT DATE: 02/07/2002

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
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- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☒ TYPES OF DOCUMENTS NOT TO BE SCANNED
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

APPENDIX A Laboratory Reports, Chain-of-Custody
APPENDIX B Field Data Sheets

